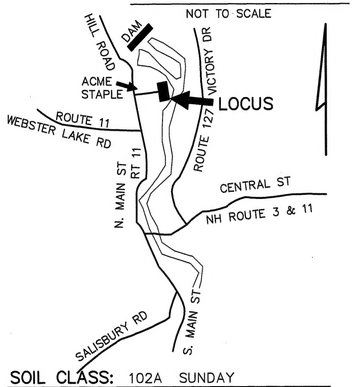
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 102A SUNDAY
(SOURCE: NH GRANIT)

BENCH MARKS: DATUM = NGVD

#1 SET NAIL NEW POLE EL 319.70
#2 MONITORING WELL CAP EW-3 ELEV 321.79
#3 MONITORING WELL CAP EW-4A ELEV 318.58
#4 SET HUB ELEV 318.38

IT IS EXPECTED THAT ADDITIONAL TBMS WILL BE SET FOR CONSTRUCTION

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 318.0
2. THERE IS/ARE APPROX 0.8 FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

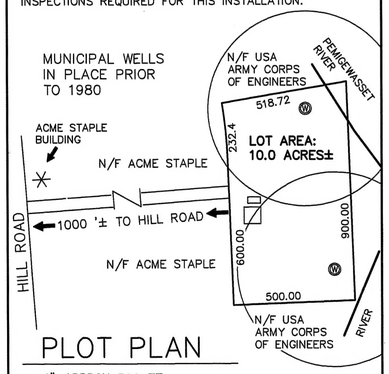
LEGEND:

- 50 — EXISTING CONTOUR
- (50) — PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: ARMY CORPS OF ENGINEERS SURVEY
2. NHDES-WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD OVER 5 ACRES
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. a) NO SURFACE WATER WITHIN 100'
   b) NO WELLS WITHIN 400'
   c) NO HYDRIC B SOILS WITHIN 100'
   d) NO HYDRIC A SOILS WITHIN 100'
   OF PROPOSED SYSTEM
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929-7404)

INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.

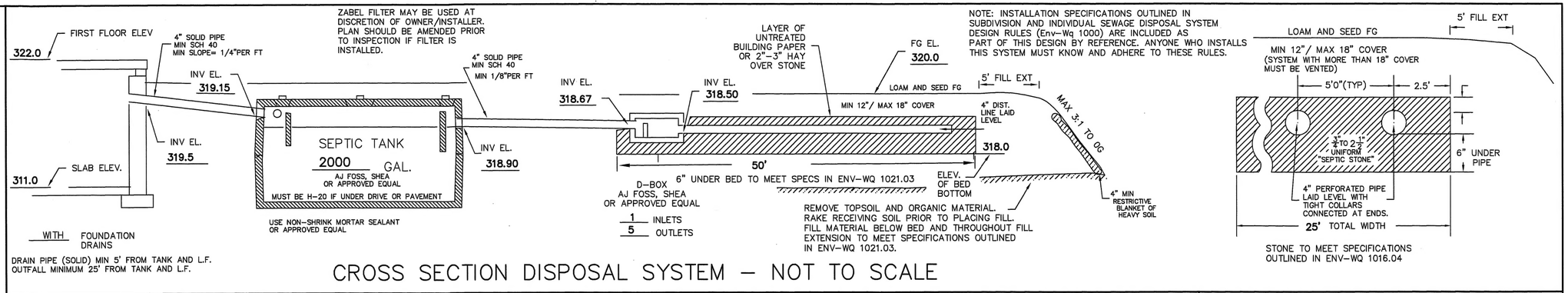


PLOT PLAN

1"=APPROX 300 FT

ZABEL FILTER MAY BE USED AT DISCRETION OF OWNER/INSTALLER. PLAN SHOULD BE AMENDED PRIOR TO INSPECTION IF FILTER IS INSTALLED.

NOTE: INSTALLATION SPECIFICATIONS OUTLINED IN SUBDIVISION AND INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN RULES (Env-Wq 1000) ARE INCLUDED AS PART OF THIS DESIGN BY REFERENCE. ANYONE WHO INSTALLS THIS SYSTEM MUST KNOW AND ADHERE TO THESE RULES.

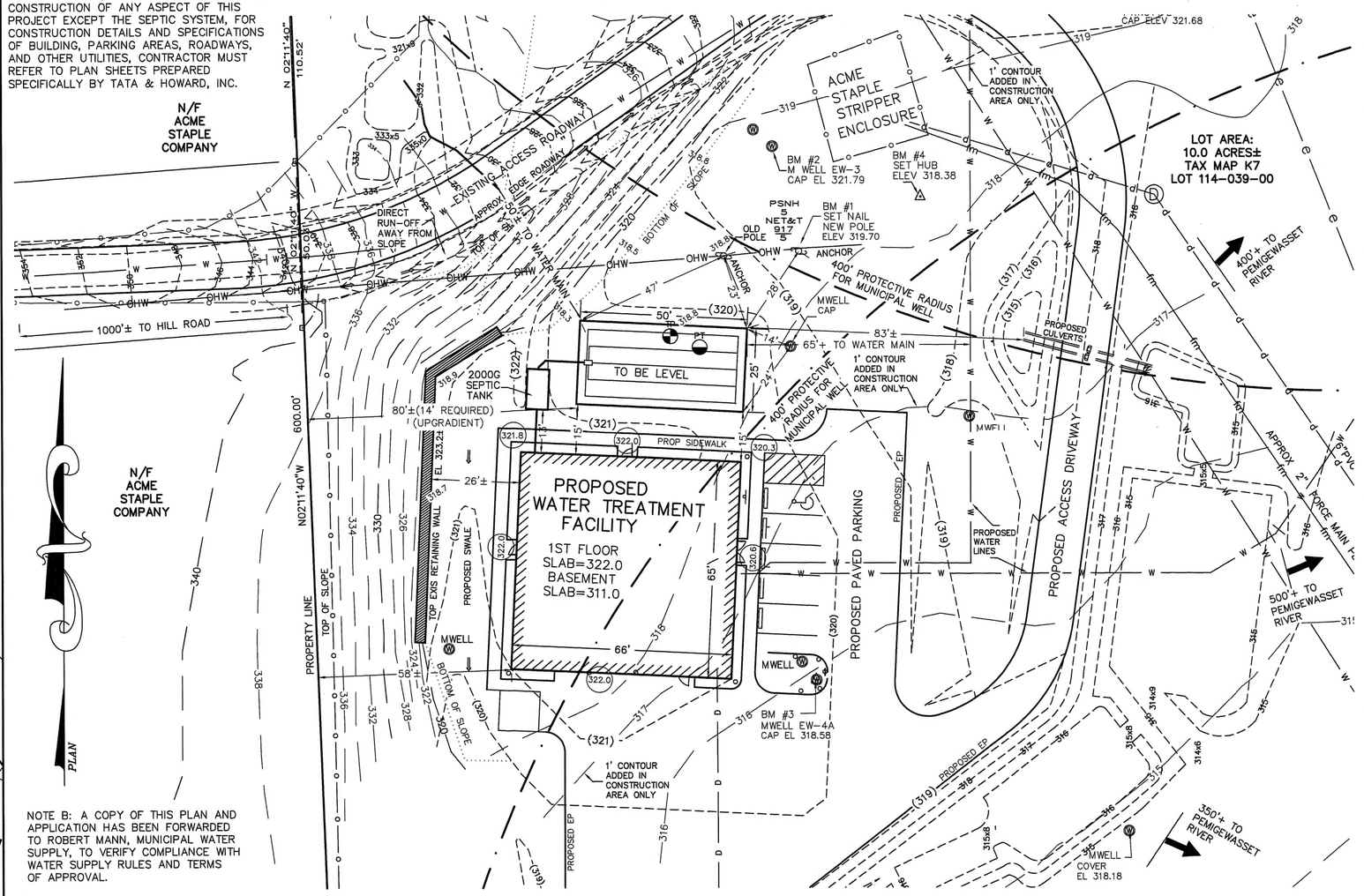


STONE TO MEET SPECIFICATIONS OUTLINED IN ENV-WQ 1016.04

CROSS SECTION DISPOSAL SYSTEM - NOT TO SCALE

NOTE A: THIS PLAN IS FOR SEPTIC SYSTEM APPROVAL ONLY, IT IS NOT TO BE USED FOR CONSTRUCTION OF ANY ASPECT OF THIS PROJECT EXCEPT THE SEPTIC SYSTEM, FOR CONSTRUCTION DETAILS AND SPECIFICATIONS OF BUILDING, PARKING AREAS, ROADWAYS, AND OTHER UTILITIES, CONTRACTOR MUST REFER TO PLAN SHEETS PREPARED SPECIFICALLY BY TATA & HOWARD, INC.

PLAN : 1"=20'



NOTE B: A COPY OF THIS PLAN AND APPLICATION HAS BEEN FORWARDED TO ROBERT MANN, MUNICIPAL WATER SUPPLY, TO VERIFY COMPLIANCE WITH WATER SUPPLY RULES AND TERMS OF APPROVAL.

TP TEST PIT DATA

DATE: MAY 25, 2010
TOWN INSPECTOR: N/A NOT REQUIRED

TEST PIT #1 EL 318.8

0 - 3"	FINE SANDY LOAM TOPSOIL
3 -40"	10YR6/4 TO 6/6 MEDIUM SAND, GRANULAR FRIABLE
40-60"	10YR6/3 FINE SAND, GRANULAR FRIABLE
60-72"	10YR6/3 FINE SAND WITH SOME SILTS, GRANULAR FRIABLE
72-80"	2.5Y5/4 SILTY FINE SANDY LOAM, MASSIVE, MOTTLED

ESHWT @ 60"+, NO OBSERVED WATER, NO REFUSAL
ROOTS TO 60"+

PT PERC TEST DATA

DESIGN PERC RATE: 2 MIN/IN AT 24"
DESIGN LOADING: 1000 GALLONS PER DAY
AREA REQUIRED: 125 SF PER 100 GPD = 125 X 10 = 1250 SF REQUIRED
AREA PROPOSED: 25' X 50' = 1250 SF PROVIDED

SEPTIC TANK CAPACITY: 2 X 1000 GPD = 2000 GAL REQUIRED
2000 GAL PROVIDED

DESIGN / SITE LOADING

TOTAL LOT AREA: 10 ACRES±
LOT AREA OUTSIDE WELL RADII: 33700 SF± = 0.77 ACRE±
ALLOWED LOADING FOR GROUP 1 SOIL, AB PREDOMINANT SLOPE=
2000 GPD/ACRE X 0.77 ACRE = 1540 GPD ALLOWED.
1000 GPD PROPOSED DESIGN LOADING.
PROPOSED BUILDING - WATER TREATMENT FACILITY WITH 2-5 PERSON MAINTENANCE STAFF, WITH SHOWERS AND CONFERENCE ROOM. (NO PROCESS WASTE)

PROPOSED

SEPTIC SYSTEM PLAN

LOCUS: CITY OF FRANKLIN, ACME WELL PARCEL
OFF HILL ROAD, FRANKLIN, NH

OWNER: CITY OF FRANKLIN, NH
MUNICIPAL SERVICES DEPARTMENT
43 WEST BOW STREET
FRANKLIN, NH 03235

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Anne W. Bielobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843-1306
603 929-7404

DATE: OCTOBER 4, 2010

APPROVAL: CA20101025537 10/06/10

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV-WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV-WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV-WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV-WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV-WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.